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FIG. 1

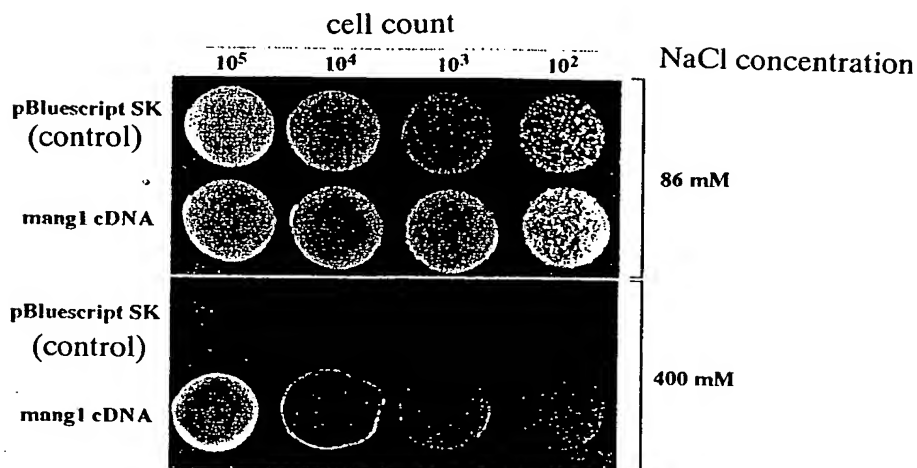
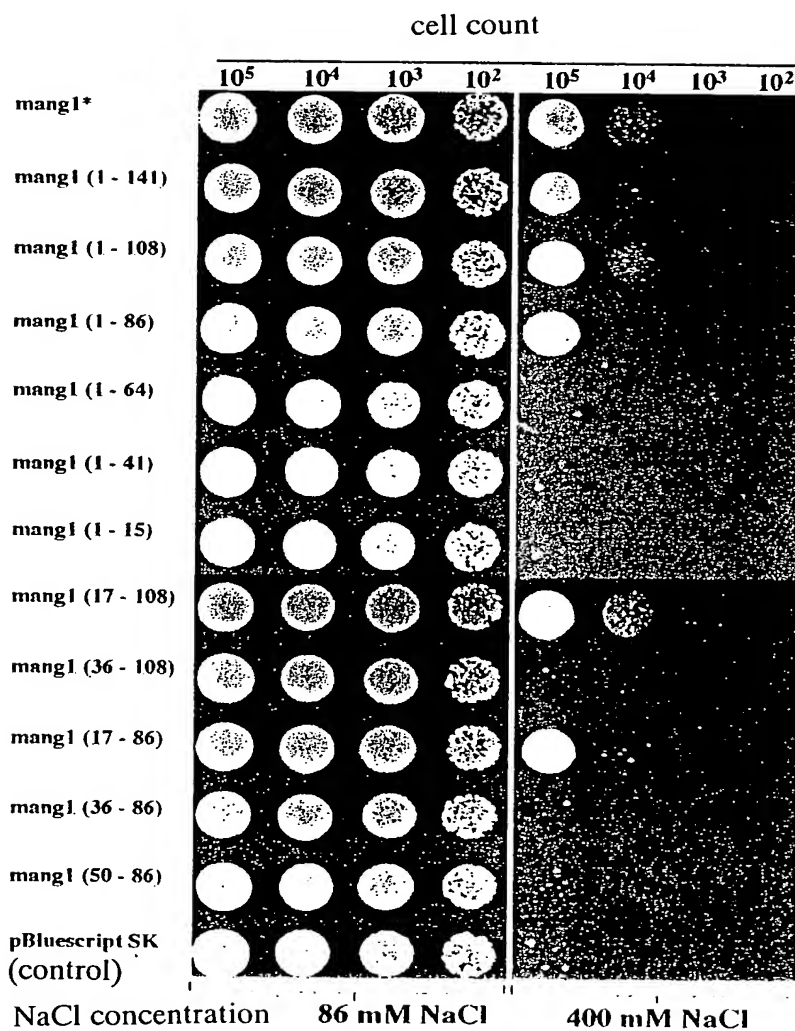
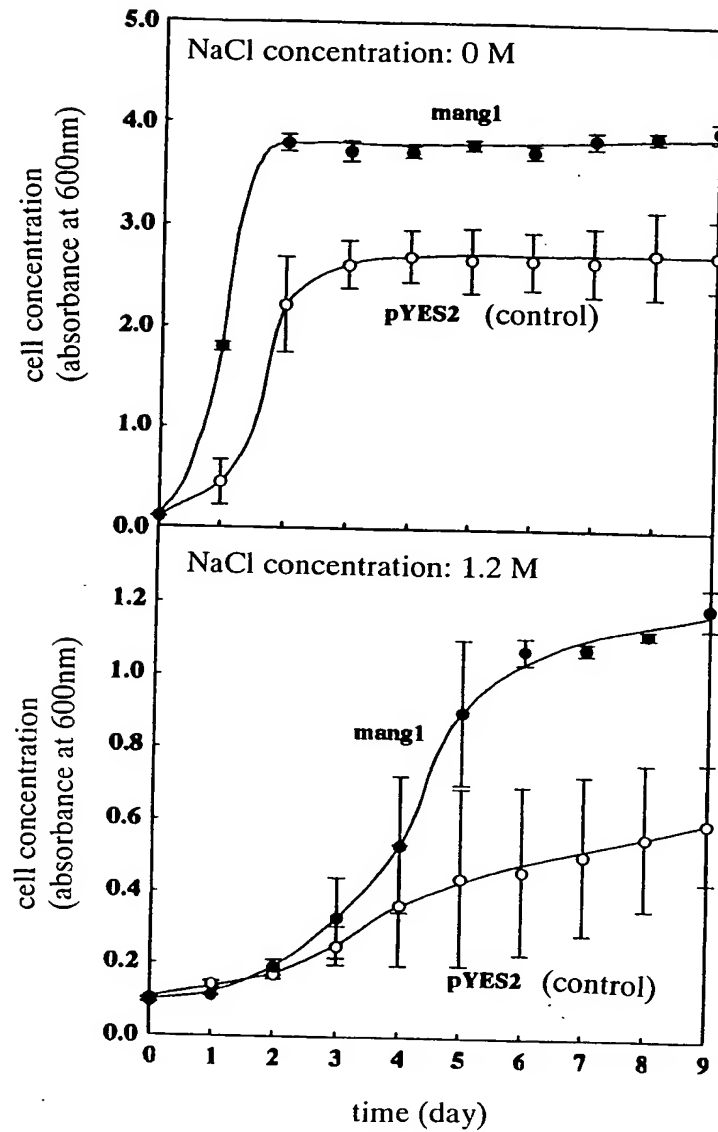


FIG. 2



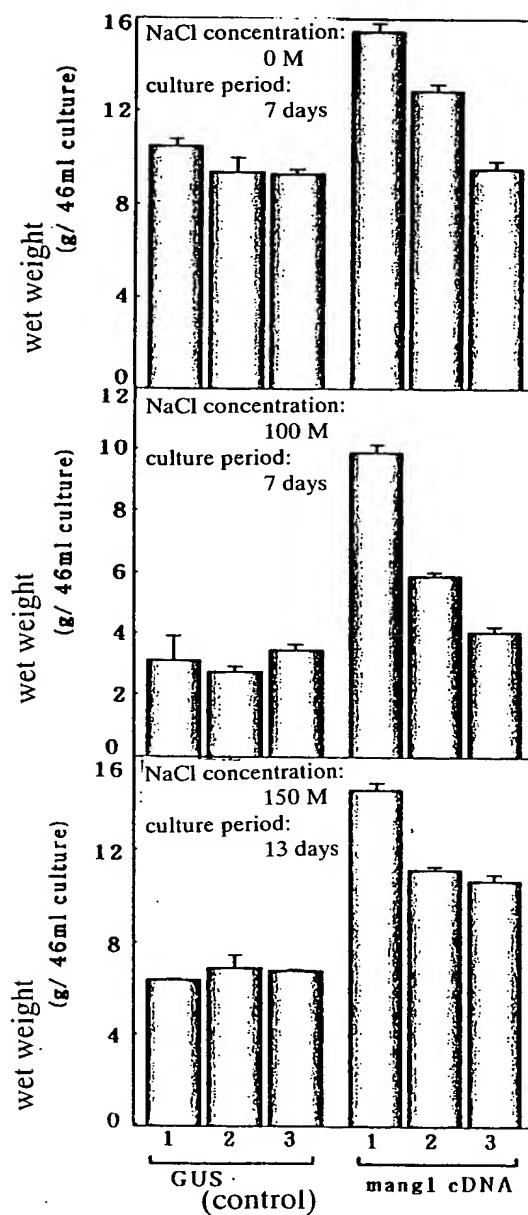
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FIG. 3



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FIG. 4



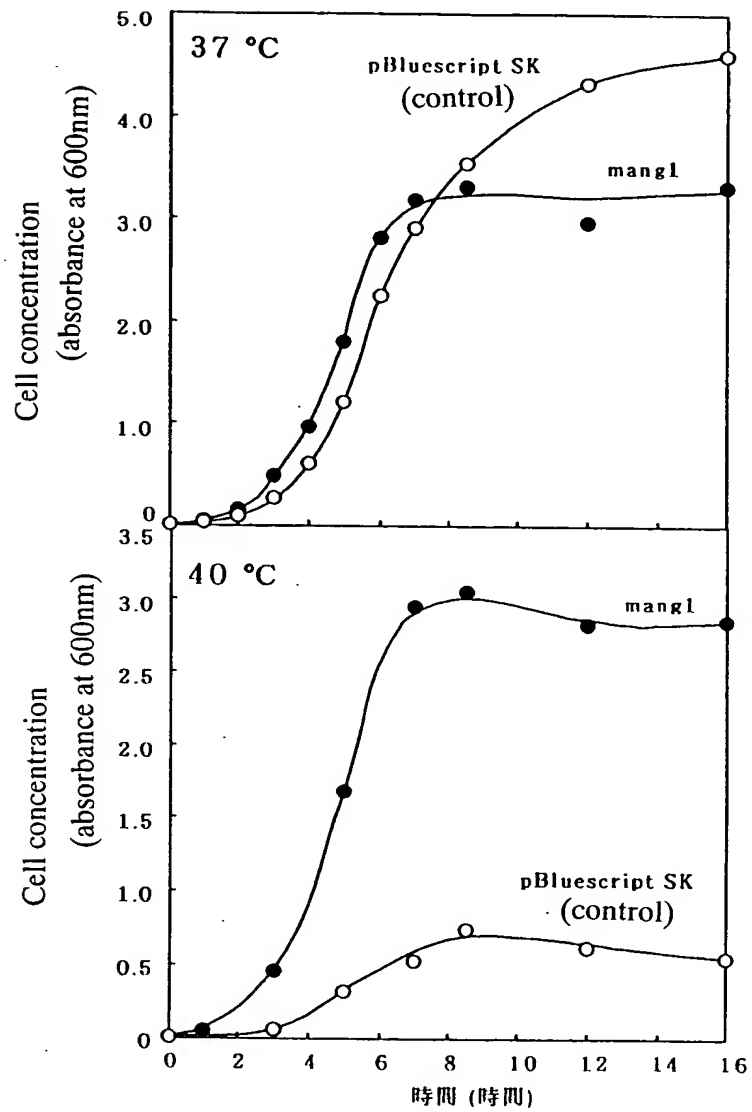
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FIG. 5



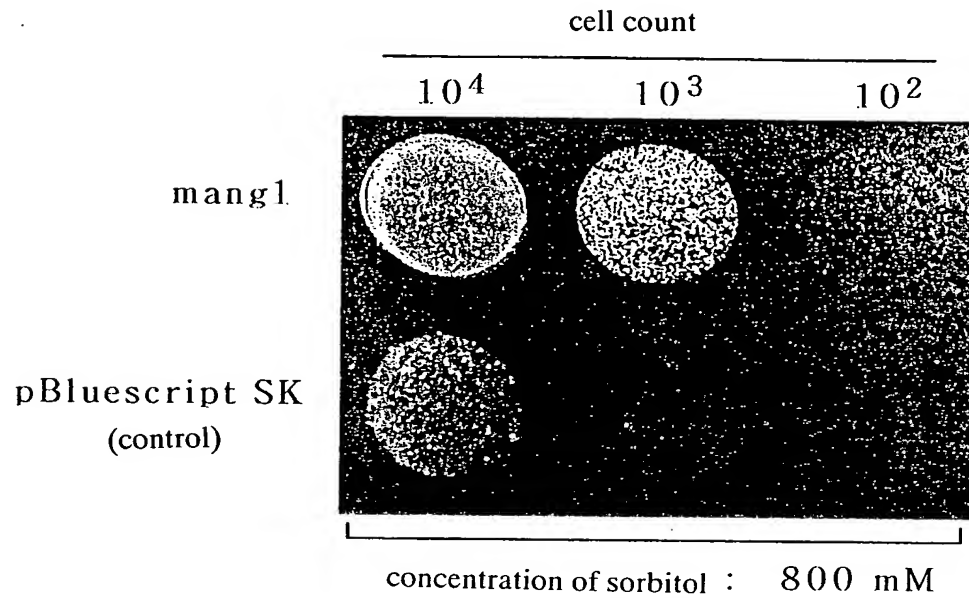
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FIG. 6



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FIG. 7



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FIG. 8

freezing/melting pBlueScript SK mangl  
numbers of cycle (control)

0

1

2

3

4

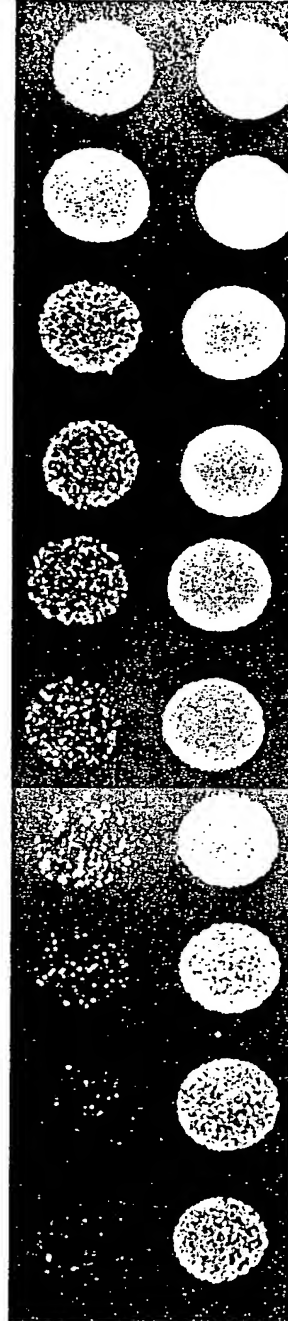
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SOOS VAL 81  
Title: ENVIRONMENTAL STRESS  
TOLERANT GENE  
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comparison of the sequences of amino acids

**FIG. 10**

A spot assay grid showing bacterial growth across four rows and nine columns. The columns are grouped by NaCl concentration: 86 mM (columns 1-3), 350 mM (columns 4-6), and 500 mM (columns 7-9). Each column contains three serial dilutions labeled above as 10<sup>5</sup>, 10<sup>4</sup>, and 10<sup>3</sup>. The rows represent different bacterial strains: pBluescript SK (control), mangrin core, C52, and C80. Growth is indicated by visible colonies in each well.

	86 mM NaCl			350 mM NaCl			500 mM NaCl		
	10 <sup>5</sup>	10 <sup>4</sup>	10 <sup>3</sup>	10 <sup>5</sup>	10 <sup>4</sup>	10 <sup>3</sup>	10 <sup>5</sup>	10 <sup>4</sup>	10 <sup>3</sup>
pBluescript SK (control)	Growth	Growth	Growth	Growth	Growth	Growth	No growth	No growth	No growth
mangrin core	Growth	Growth	Growth	Growth	Growth	Growth	Growth	Growth	No growth
C52	Growth	No growth	Growth	No growth	No growth	Growth	Growth	Growth	Growth
C80	Growth	Growth	Growth	No growth	Growth	Growth	Growth	No growth	No growth